

US EPA ARCHIVE DOCUMENT

122804

Shaughnessy No.: 122804

Date Out of EAB: JUN 06 1986

To: G. LaRocca  
Product Manager 15  
Registration Division (TS-767)

From: Samuel M. Creeger, Chief  
Review Section #1  
Exposure Assessment Branch  
Hazard Evaluation Division (TS-769)



Attached, please find the EAB review of...

Reg./File # : 619-96  
Chemical Name: Avermectin  
Type Product : Insecticide  
Product Name : AVID  
Company Name : Merck  
Purpose : Registration on flower crop

Date Received: 05/19/86

Action Code(s): 300

Date Completed: JUN 06 1986

EAB #(s) : 6643

days: 0.25

Deferrals to: ☐ Ecological Effects Branch  
☐ Residue Chemistry Branch  
☐ Toxicology Branch

Monitoring study requested by EAB: ☒

Monitoring study voluntarily conducted by registrant: ☒

1.a CHEMICAL:

Avermectin B<sub>1a</sub>  
Abamectin.  
AVID™

See chemical structure in earlier EAB review of 9/05/85 and previous reviews.

The active ingredient is composed of not less than 80% avermectin B<sub>1a</sub> and not more than 20% avermectin B<sub>1b</sub>.

1.b Physical Properties:

See earlier reports.

2. TEST MATERIAL: Not Applicable

3. STUDY/ACTION TYPE:

Response to EAB request for additional information with regard to the field dissipation study on AVID™.

4. STUDY IDENTIFICATION: Field Dissipation.

5. REVIEWED BY:

Akiva D. Abramovitch, Ph.D.  
Chemist  
Environmental Chemistry Review Section 1/EAB/HED/OPP

*Abramovitch*  
JUN 06 1986  
Date:

6. APPROVED BY:

Samuel M. Creeger, Chief  
Supervisory Chemist  
Environmental Chemistry Review Section 1/EAB/HED/OPP

*Samuel M. Creeger*  
JUN 06 1986  
Date:

7. CONCLUSIONS: The study is accepted in fulfillment of the field dissipation data requirement for AVID™ by submission of the soil characteristics (attached). EAB request for submission of half life calculation remained unanswered and to avoid further delays the estimated half life of 3 days (EAB review of March 18, 1986) will be used.

8. RECOMMENDATIONS:

Acceptance of the field dissipation study fulfilled the EAB data requirements for registration for AVID™ for use in flower crops and foliage plants.

9. BACKGROUND:

A. Introduction: See EAB review of March 18, 1986.

B. Directions for Use: As in A, above.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES:

10.1 A. Study Identification: Abamectin Soil Dissipation in Flower Crop.

B. Materials and Methods:

The properties of the soil was submitted as requested in the EAB review of 3/18/86.

C. Reported Results: N/A                      See EAB review of 3/18/86.

D. Study Author's Conclusions: N/A              See EAB review of 3/18/86.

E. Reviewer's Discussions and Interpretation of Study Results: N/A

See EAB review of 3/18/86.

11. COMPLETION OF ONE LINER:

Not completed.

12. CBI APPENDIX:

None

Abamectin Soil Dissipation in  
Flower Crops

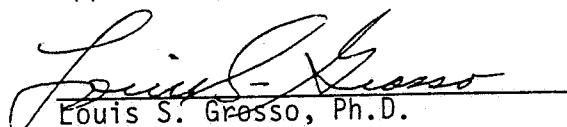
Report No. 001-84-008R  
(Addendum - Soil Composition)


Study submitted 8/14/85 in Application for Registration of AVID<sup>TM</sup>.  
Section B Vol II, pages 1-41.

The soil used in this test is classified as St. Lucie fine sand (aged beach sand) which characteristically contains less than 0.5% organic matter. The soil at the test site was amended with German peat in 1985 which raised the organic matter to 1.75%. The pH of the soil was maintained by using dolomitic limestone at 1000 lbs per acre each year.

St. Lucie sand contains no clay and for all practical purposes no silt. The low organic fraction is primarily from the German peat moss used to amend the soil.

Approved by:

  
Louis S. Grosso, Ph.D.  
Director, Regulatory Affairs  
Agricultural Research  
and Development

  
Richard A. Dybas, Ph.D.  
Senior Director  
Agricultural Research  
and Development

May 15, 1986

Merck Sharp & Dohme Research Laboratories  
Hillsborough Road  
Three Bridges, New Jersey 08887

